<110>   Shafer, David A.

<120>.   Methods for Detecting and Mapping Genes,
           Mutations and Variant Polynucleotide Sequences

<130>   D6429

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tgtagatagg tag   63

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cgtacttact agca   14

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gtatgctaag tagctgctag taagtacg   28

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<400>   31

ggtagtagct agcacctagg caccttattt accacaagac atgcatcccg 50
tttctagggt taccata   67

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tatggtaacc ctag                                            14


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tagacctagg ggtagctagg ctactttgct acgtacttat                40


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cgttacgcta acctgctatc taccact                              27
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taaggtgcct aggtgctagc tactaccagt ggtagatagc aggttagcgt 50

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gctacttagc atactttacc acaagacatg catcccgt   38

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gtatgctaag tagctgctag taagtacg                          28


<210>      44
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acgggatgca tgtcttgtgg ttttctaggg ttaccata               38


<210>      45
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gctacttagc atactttct aataccggat aggacc                    36


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tatggtaacc ctag                                           14


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cgtacttact agca   14


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accacaagac atgcatcccg   20


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cttacca                                              57


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ctagacctag gggtagctag gctac                           25


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tatctac   57

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ctactcttag gccctatcgt atcgtag   27

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ccagggtttt cccagtcacg ac   22

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ctacgatacg atagggccta agagtag   27

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gagcggataa caatttcaca cagg   24

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gagcggataa caatttcaca cagg   24

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ctactcttag gccctatcgt atcgtag   27

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ccagggtttt cccagtcacg ac   22

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gtaatagcgt ac                                                    12



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<223>     One to four multi-linker E


<400>     108

gtaatagcgt ac                                                    12



<210>     109
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<220>
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<400> 109

gcctagacct aggggtagct aggctac   27

<210>   110
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<220>
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gcctagacct aggggtagct aggctac   27

<210>   111
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<220>
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<400>   111

gtacgctatt ac   12

<210>   112
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<220>
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ctactcttag gccctatcgt atcgtag   27

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gtaatagcgt ac   12


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gtaatagcgt ac   12


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gtaatagcgt ac   12


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<400>        116

gtaatagcgt ac                                                      12



<210>        117
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<220>
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<400>        117

ctaggtagct ag                                                      12



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<220>
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<400>        118

ctaggtagct ag                                                      12



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ctaggtagct ag                                                    12



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        <400>      120

ctaggtagct ag                                                    12



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        <400>      121

gtacgctatt ac                                                    12



        <210>      122
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gtacgtaact ag                                                    12


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<400>      124
gtacgtaact ag                                                    12


<210>      125
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gtacgtaact ag                                                    12
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gtacgtaact ag   12


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ctagttacgt ac   12


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ctacctatct ac                                              12



        <210>      133
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ctaggtagct ag                                              12



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        <400>      134

ctaggtagct ag                                              12



        <210>      135
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ctaggtagct ag                                                        12


        <210>      136
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        <400>      136

ctaggtagct ag                                                        12


        <210>      137
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        <400>      137

gtacgctatt ac                                                        12


        <210>      138
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ctagctacct ag                                                        12
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```
<210>      139
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<400>      139
ctatctagta cg                                              12


<210>      140
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ctatctagta cg                                              12


<210>      141
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<220>
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<400>      141
ctatctagta cg                                              12


<210>      142
<211>      12
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<210>   142

<213>   Artificial Sequence

<220>
<223>   Green set third linker E

<400>   142

ctatctagta cg   12

<210>   143
<211>   71
<212>   DNA
<213>   Artificial Sequence

<220>
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<400>   143

ctacgatacg ataggggtaa gagtagtttc agacaacagg gaggcagcgg 50
cttttatttg tagataggta g   71

<210>   144
<211>   41
<212>   DNA
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<220>
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<400>   144

ctacgatacg ataggggtaa gagtagtttc tacctatcta c   41

<210>   145
<211>   72
<212>   DNA
<213>   Artificial Sequence

<220>
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<400>   145

gcctagacct aggggtagct aggctacttt taaaagccgc tgcctccctg 50
ttgtctgttt gtagataggt ag   72

<210>   146
<211>   42
<212>   DNA
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<220>
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<400>   146

gcctagacct aggggtagct aggctacttt ctacctatct ac   42

<210>   147
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          oligo-TAG

<400>   147

cgtactagat ag   12